

IN THE CLAIMS

Please amend the claims as follows:

Claims 1-11 (Canceled).

Claim 12 (Currently Amended): A coded target used in photogrammetry, the target being circular and comprising:

at least first and second concentric coding rings with at least two equal angular sectors, arranged around a central area comprising a central disk with a uniform color surrounded by ~~[[the]]~~ a first ring with a complementary color, the first ring surrounded by ~~[[the]]~~ a second ring of a same color as the central disk, wherein all sectors in the first coding ring, which is an innermost coding ring, are the same color except for one that is a complementary color.

Claim 13 (Currently Amended): ~~[[A]]~~ The target according to claim 12, wherein the central disk is white or black.

Claim 14 (Currently Amended): ~~[[A]]~~ The target according to claim 12, wherein the second ring is thinner than the first ring.

Claim 15 (Currently Amended): ~~[[A]]~~ The target according to claim 12, wherein each sector in each ring of the first and second rings is the same color as an adjacent sector within that ring.

Claim 16 (Currently Amended): [[A]] The target according to claim 12, further comprising a third coding ring, in which color of the sectors is complementary to the color of the sector adjacent to the second coding ring.

Claim 17 (Previously Presented): A photogrammetry process using specific coded targets according to claim 12, and software for recognition of these targets on images, which comprises:

detection of the central area of targets, giving an initial positioning of the targets on the image;

positioning of the targets taking account of deformations due to perspective; and

identification of coding rings and their sectors, evaluation of the colors of the coding rings and management of hidden targets.

Claim 18 (Currently Amended): [[A]] The process according to claim 17, wherein the detection includes following operations in sequence:

use of one of an arresting filter as a Sobel filter or a Canny-Deriche filter, to calculate gradients in X and in Y,

calculate a normal to the gradient and its direction,

calculate intersection and direction images,

extraction of circles and ellipses,

filtering by thresholding,

labelling,

filtering by regions.

Claim 19 (Currently Amended): [[A]] The process according to claim 17, wherein the identification includes following operations for each target:

Adaptive segmentation,
Estimate of circle/ellipse deformations,
Regular sampling of rings,
Extraction of color lists,
Filtering of lists,
Target identification.

Claim 20 (Currently Amended): [[A]] The process according to claim 19, wherein the identification further includes management of hidden targets.

Claims 21-22 (Canceled).